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## **Eosinophilic esophagitis and celiac disease**

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Conflicts of interest: none to declare.

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Dear Editor,

In a recent interesting review, Alfredo Lucendo has reported on the current evidence-based diagnosis and treatment of eosinophilic esophagitis (EoE). Correctly, the author gives importance also to dietary treatment reporting several approaches described in literature.<sup>1</sup> I would like to add some information about the potential association between EoE and celiac disease (CD). CD is a chronic, immune-mediated disorder, characterized by small intestinal malabsorption of nutrients after the ingestion of gluten by genetically susceptible individuals. For this reason, CD is considered the main relevant “gluten-related disorder”, a definition that includes also wheat allergy and non-celiac gluten sensitivity.<sup>2</sup> All occur in response to the common grain wheat or its component gluten.<sup>3</sup>

Several extraintestinal manifestations have been associated to CD.<sup>4</sup> Both CD and EoE are caused by aberrant, but distinct, immune responses to ingested antigens and can be responsive to restricted food intake. In a review we reported that the prevalence of EoE in children with CD was until the 8% of the studied population.<sup>5</sup> Hence, this finding highlights the importance of obtaining routine esophageal biopsies in children undergoing endoscopy for diagnosis of CD irrespective of whether the esophagus appears normal or abnormal at endoscopy (it could appear only slightly altered in some patients).

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